

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 101050		APPLICATION NO. 09/101,083	
INFORMATION DISCLOSURE STATEMENT (attach several sheets if necessary)				APPLICANT(S) Satoru MIYASHITA et al.			
				FILING DATE July 8, 1998		GROUP 1773	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
 		5,041,190	08/1991	DRAKE et al.	156	647	
		5,713,278	02/1998	KAWANO et al.	101	128.4	
		5,742,129	04/1998	NAGAYAMA et al.	315	167	
		5,771,562	06/1998	HARVEY, III et al.	29	592.1	
		5,935,331	08/1999	NAKA et al.	118	319	
		5,997,122	12/1999	MORIYAMA et al.	347	11	
		6,195,142 B1	02/2001	GYOTOKU et al.	349	69	
		6,187,457 B1	02/2001	ARAI et al.	428	690	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		JP-A-7-235378 (w/ English Language Abstract and Translation)	5/1995	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		"Electroluminescence in Conjugated Polymers;" R. H. Friend, R. W. Gymer, A. B. Holmes, J. H. Burroughes, R. N. Marks, C. Taliani, D. D. C. Bradley, D. A. Dos Santos, J. L. Bredas, M. Logdlund & W. R. Salaneck; Nature, Vol. 397, 14 January 1999.					
		Opto-Electronic Properties of Disordered Organic Semiconductors, Proefschrift, Michel Cornelis Josephus Marie Vissnberg, geboren te Sint Maarten in 1972.					
		Fabrication of Organic Light-Emitting Devices, Jennifer Reinig, Junior Physics/Math Major at Drake University, Physics REU: IA State University, Summer 2001					
		The electroluminescence of organic materials; Ullrich Mitschke and Peter Bauerle, Received 2 nd November 1999, Accepted 15 th February 2000, Published on the Web 6 th June 2000.					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: August 7, 2003

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	5,665,857	09/09/97	SHI	528	373
	5,540,999	07/30/96	YAMAMOTO et al.	428	411.1
	5,821,002	10/13/98	OHNISHI et al.	428	690
	6,008,828	12/28/99	FURUKI et al.	347	139
	5,281,489	01/25/94	MORI et al.	428	690
	4,569,305	02/11/86	FERRI et al.		
	4,687,352	08/18/87	IGI et al.		
	4,792,817	12/20/88	BARNEY		
	5,534,716	07/09/96	TAKEMURA		
	5,645,901	07/08/97	FUKUCHI et al.		
	5,798,626	03/17/98	ALLMAN et al.		
	5,744,171	04/28/98	SCHNEIDER		
	5,957,453	05/26/98	SHIN et al.		
	5,759,268	06/02/98	BEGIN et al.		
	5,770,260	06/23/98	FUKUYAMA et al.		
	5,779,799	07/14/98	DAVIS		
	5,784,132	07/21/98	HASHIMOTO		
	5,989,945	11/23/99	YUDASAKA et al.	438	149
	5,656,826	08/12/97	MISAWA et al.	257	72
	5,274,481	12/28/93	KIM		
	5,399,390	03/21/95	AKINS		
	3,792,308	02/12/74	OTA		
	4,891,110	01/02/90	LIBMAN et al.		
	4,007,462	02/08/77	WETSEL, Jr.	427	157
	6,180,294 B1	01/30/01	SHIBA et al.	349	106
	09/901,095	07/10/01	KIMURA et al.		
	09/901,096	07/10/01	KIGUCHI et al.		
	09/901,126	07/10/01	YUDASAKA et al.		

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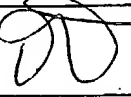
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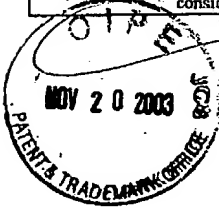
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Handwritten date: 1/16/2002

Date: November 18, 2002

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		
	JP-A-3-102324	04/26/91	Japan				
	JP-A-3-126921	05/30/91	Japan				
	JP-A-4-253033	09/08/92	Japan				
	JP-A-5-105486	04/27/93	Japan				
	JP-A-5-116941	05/14/93	Japan				
	JP-A-6-204168	07/22/94	Japan				
	JP-A-62-223727	10/01/87	Japan				
	JP-A-6-281958	10/07/94	Japan				
	JP-A-61-78165	04/21/86	Japan				
	JP-A-7-122475	05/12/95	Japan				
	JP-A-8-1065	01/09/96	Japan				
	JP-A-8-32085	02/02/96	Japan				
	JP-A-5-283166	10/29/93	Japan				
	JP-A-6-308312 (w/English abstract)	11/04/94	Japan				
	JP-A-1-140188	06/01/89	Japan				
	JP-A-3-192334 (w/English abstract)	08/22/91	Japan				
	JP-A-6-281917 (w/English abstract)	10/07/94	Japan				
	JP-A-7-134288 (w/English abstract)	05/23/95	Japan				
	JP-A-3-33824 (w/English abstract)	02/14/91	Japan				
	JP-A-10-12377 (w/English translation)	01/16/98	Japan				
	0 431 249 A2	06/12/91	Europe				
	EP 0 732 868 A1	09/18/96	Europe				
	EP 0 717 439 A2	06/19/96	Europe				
	EP 0 756 932 A2	02/05/97	Europe				
	DE 196 03 451 A1	08/01/96	Germany				
	WO 90/13148	11/01/90	WIPO				
	WO 95/01871	01/19/95	WIPO				
	WO 98/32783	07/30/98	WIPO				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
		UCHIDA, Masao et al., "Color-Variable Light-Emitting Diode Utilizing Conducting Polymer Containing Fluorescent Dye",	
		Jpn. J. Appl. Phys., Part 2 (1993), 32 (7A), L921-L924 (Chemical Abstract, Vol. 119, No. 16).	
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		5,972,419	10/26/99	ROITMAN			
		6,137,221	10/24/00	ROITMAN et al.			
		2002/0011783 A1	01/31/02	HOSOKAWA			
		5,652,067	07/29/97	ITO et al.			
		5,472,889	12/05/95	KIM et al.			
		5,439,519	08/08/95	SAGO et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		0 656 644 A1	06/07/95	Europe			
		0 218 117 A2	04/15/87	Europe			
		DE 42 12 501 C1 (w/English abstract)	08/05/93	Germany			
		0 589 049 A1	03/30/94	Europe			
		0 404 545 A2	12/27/90	Europe			
		JP-A-62-295028 (w/English abstract)	12/22/87	Japan			
		JP-A-6-308312 (w/English abstract)	11/04/94	Japan			
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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
0 550 063 A2	07/07/93	Europe		
JP-A-10-12377. (w/English abstract)	01/16/98	Japan		

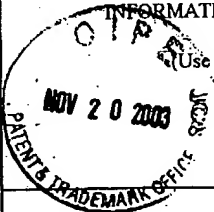
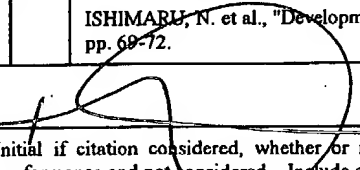
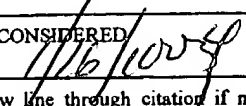
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Date: May 17, 2002

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 101050		APPLICATION NO. 09/101,083	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
 TC 1700		5,132,248	07/21/92	DRUMMOND et al.			
		5,214,350	05/25/93	REMEC et al.			
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		5,593,788	01/14/97	SHI et al.			
		5,610,932	03/11/97	KESSLER et al.			
		5,854,139	12/29/98	ARATANI et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		JP-A-62-31174 (w/English abstract)	02/10/87	Japan			
		JP-A-62-85224 (w/English abstract)	04/18/87	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
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		MORRISON, Robert et al., <i>Organic Chemistry</i> , Fifth Edition, 1987, p. 637.					
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		ADACHI, Chihaya et al., "Blue light-emitting organic electroluminescent devices", <i>Appl. Phys. Lett.</i> , Vol. 56, No. 9, February 26, 1990, pp. 799-801.					
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February 15, 2002

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
	EBISAWA, F. et al., "Electrical Properties of polyacetylene/polysiloxane interface", <i>J. Appl. Phys.</i> , Vol. 54, No. 6, June 1983, pp. 3255-3259.		
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	VAN SLYKE, S.A. et al., "Organic electroluminescent devices with improved stability", <i>Appl. Phys. Lett.</i> , Vol. 69, No. 15, October 7, 1996, pp. 2160-2162.		
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